

10620625

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specific topic.

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FILE 'HOME' ENTERED AT 17:23:43 ON 17 MAR 2004

=> fil casreact
COST IN U.S. DOLLARS
SINCE FILE ENTRY TOTAL
SESSION
FULL ESTIMATED COST 0.21 0.21

FILE 'CASREACT' ENTERED AT 17:23:54 ON 17 MAR 2004
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE CONTENT:1840 - 14 Mar 2004 VOL 140 TSS 11

Some records from 1974 to 1991 are derived from the ZIC/VINITI data file and provided by InfoChem and some records are produced using some INPI data from the period prior to 1986.

This file contains CAS Registry Numbers for easy and accurate substance identification.

Crossover limits have been increased. See `HELP BNCGCrossover` for details.

Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

```
=> Uploading C:\Program Files\Strexp\Queries\10620625c.str
```

1.1 STRUCTURE_UPLOADED

```
=> d
L1 HAS NO ANSWERS
L1           STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
```

Structure attributes must be viewed using STN Express query preparation.

```
=> S 11 full
FULL SEARCH INITIATED 17:24:21 FILE 'CASREACT'
SCREENING COMPLETE - 6318 REACTIONS TO VERIFY FROM 508 DOCUMENTS
```

100.0% DONE 6318 VERIFIED 69 HIT RXNS 10 DOCS
SEARCH TIME: 00:00:02

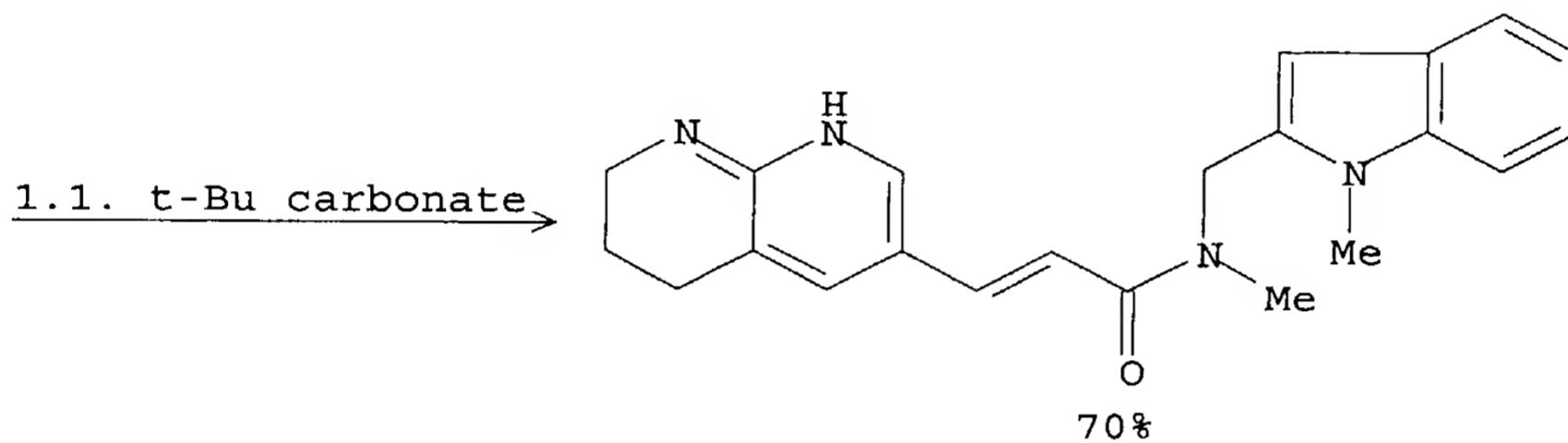
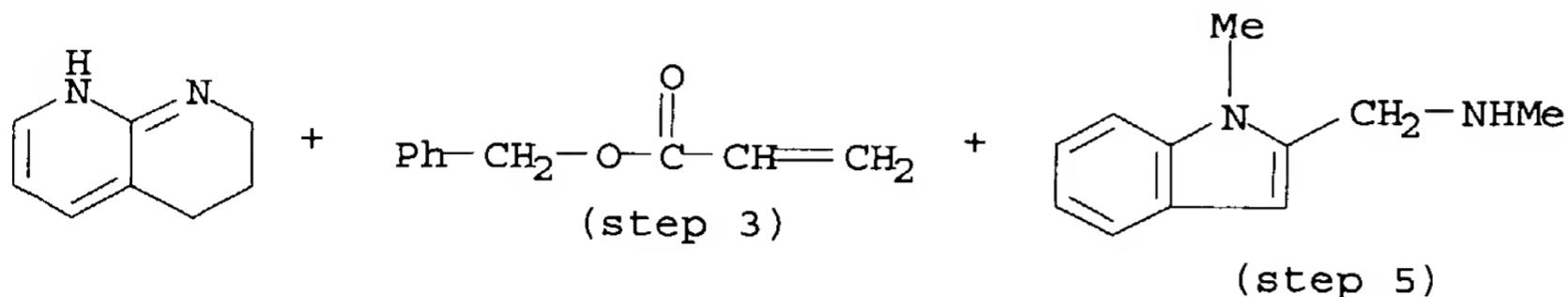
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L2 10 SEA SSS FUL L1 (69 REACTIONS)

=> d 12 1-10

L2 ANSWER 1 OF 10 CASREACT COPYRIGHT 2004 ACS on STN

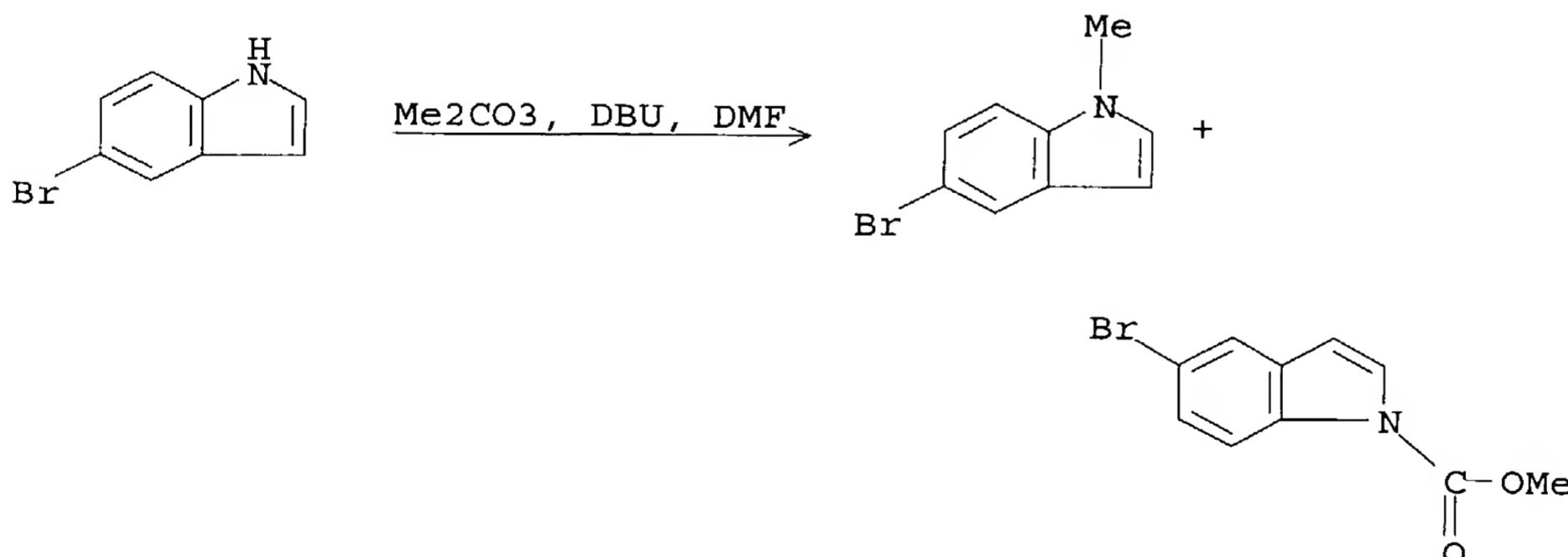
RX(84) OF 134 - 5 STEPS



REF: Journal of Medicinal Chemistry, 46(9), 1627-1635; 2003
NOTE: 3) Heck reaction

L2 ANSWER 2 OF 10 CASREACT COPYRIGHT 2004 ACS on STN

RX(2) OF 14

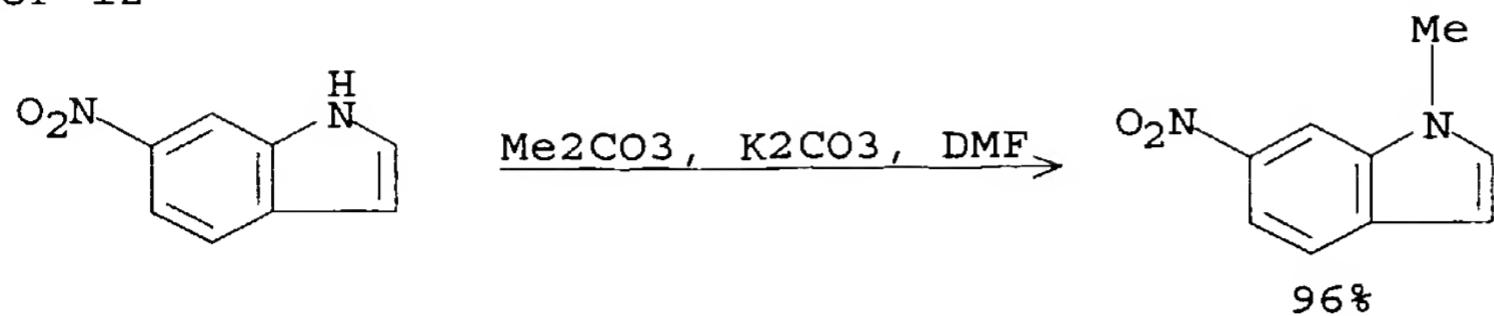


REF: Journal of Organic Chemistry, 68(5), 1954-1957; 2003
NOTE: chemoselective (mostly acylation not alkylation, ratio 84:6), selectivity depends on base

L2 ANSWER 3 OF 10 CASREACT COPYRIGHT 2004 ACS on STN

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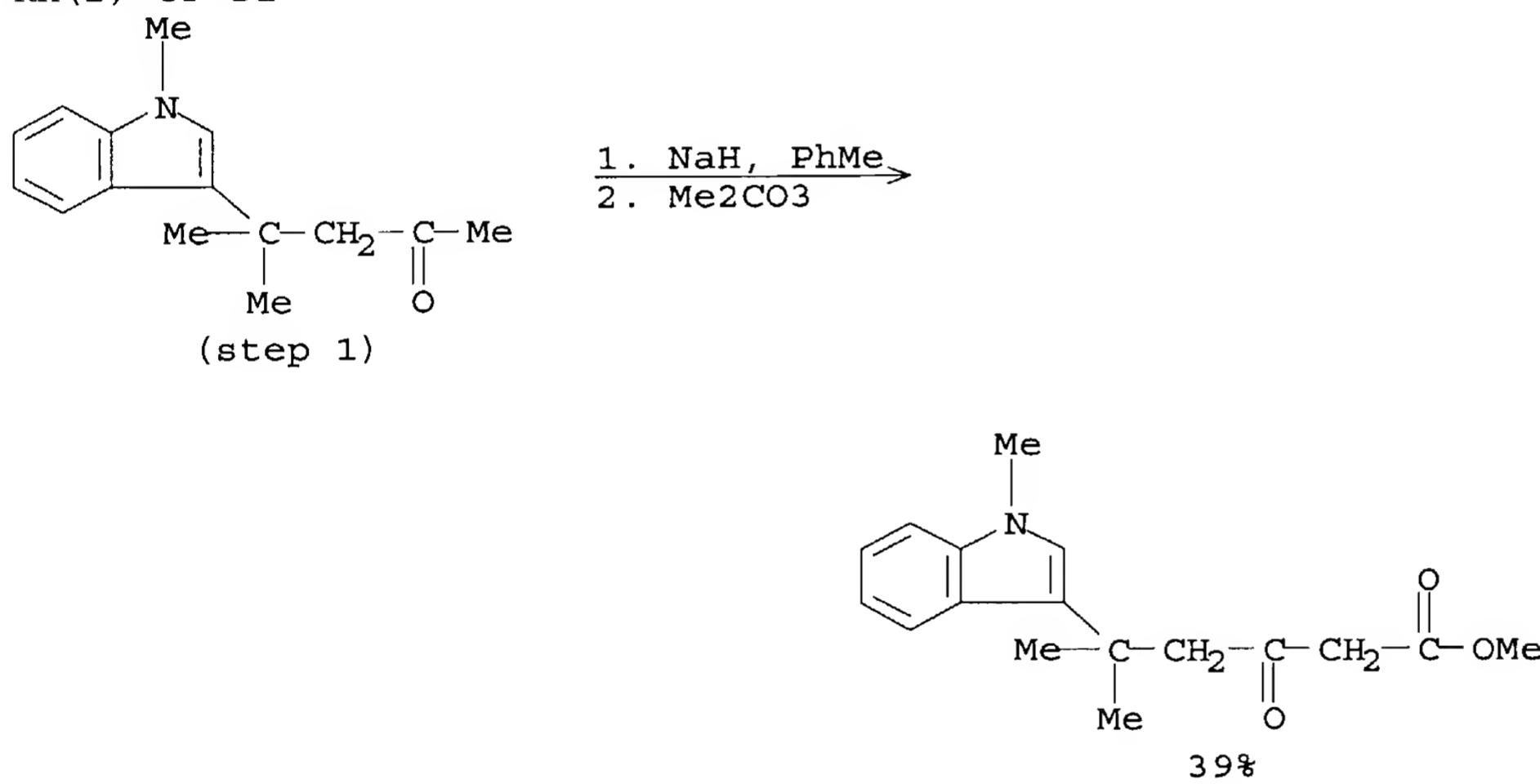
RX (1) OF 12



REF: Organic Process Research & Development, 5(6), 604-608; 2001
NOTE: green chem.

L2 ANSWER 4 OF 10 CASREACT COPYRIGHT 2004 ACS on STN

RX (2) OF 51

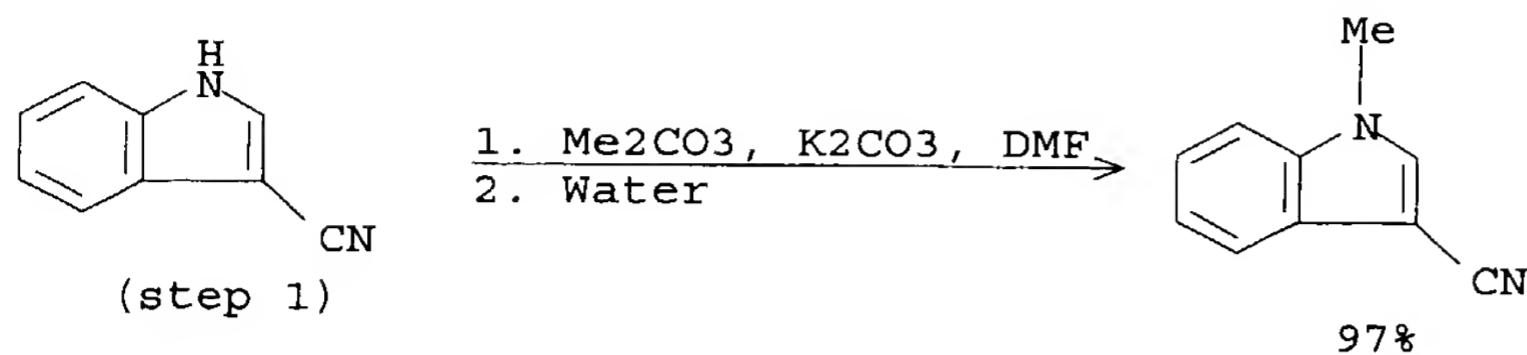


REF: Tetrahedron Letters, 42(39), 6835-6838; 2001

L2 ANSWER 5 OF 10 CASREACT COPYRIGHT 2004 ACS on STN

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RX(1) OF 17

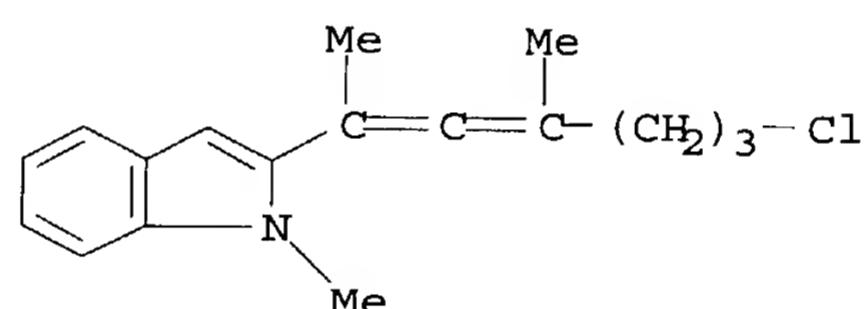
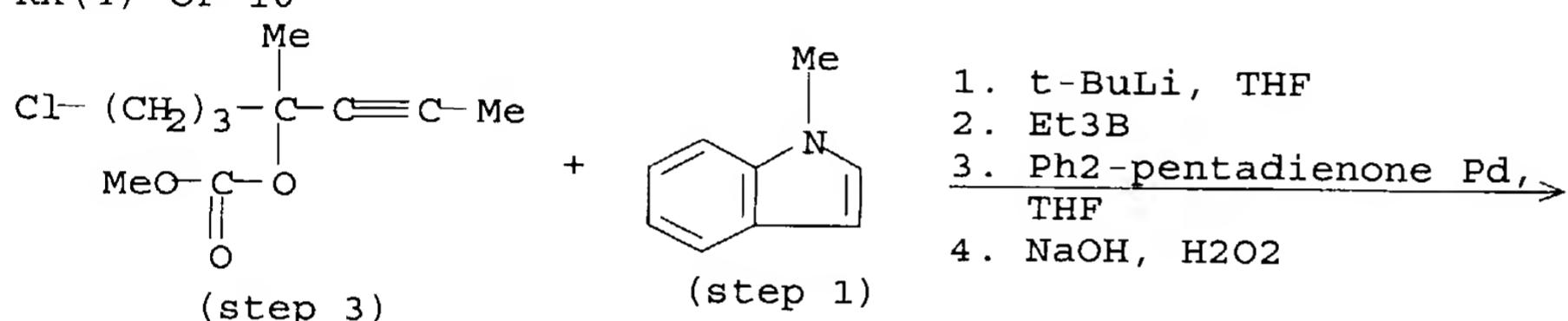


REF: PCT Int. Appl., 2001081305, 01 Nov 2001

NOTE: green chem. - reactant

L2 ANSWER 6 OF 10 CASREACT COPYRIGHT 2004 ACS on STN

RX(4) OF 10



74%

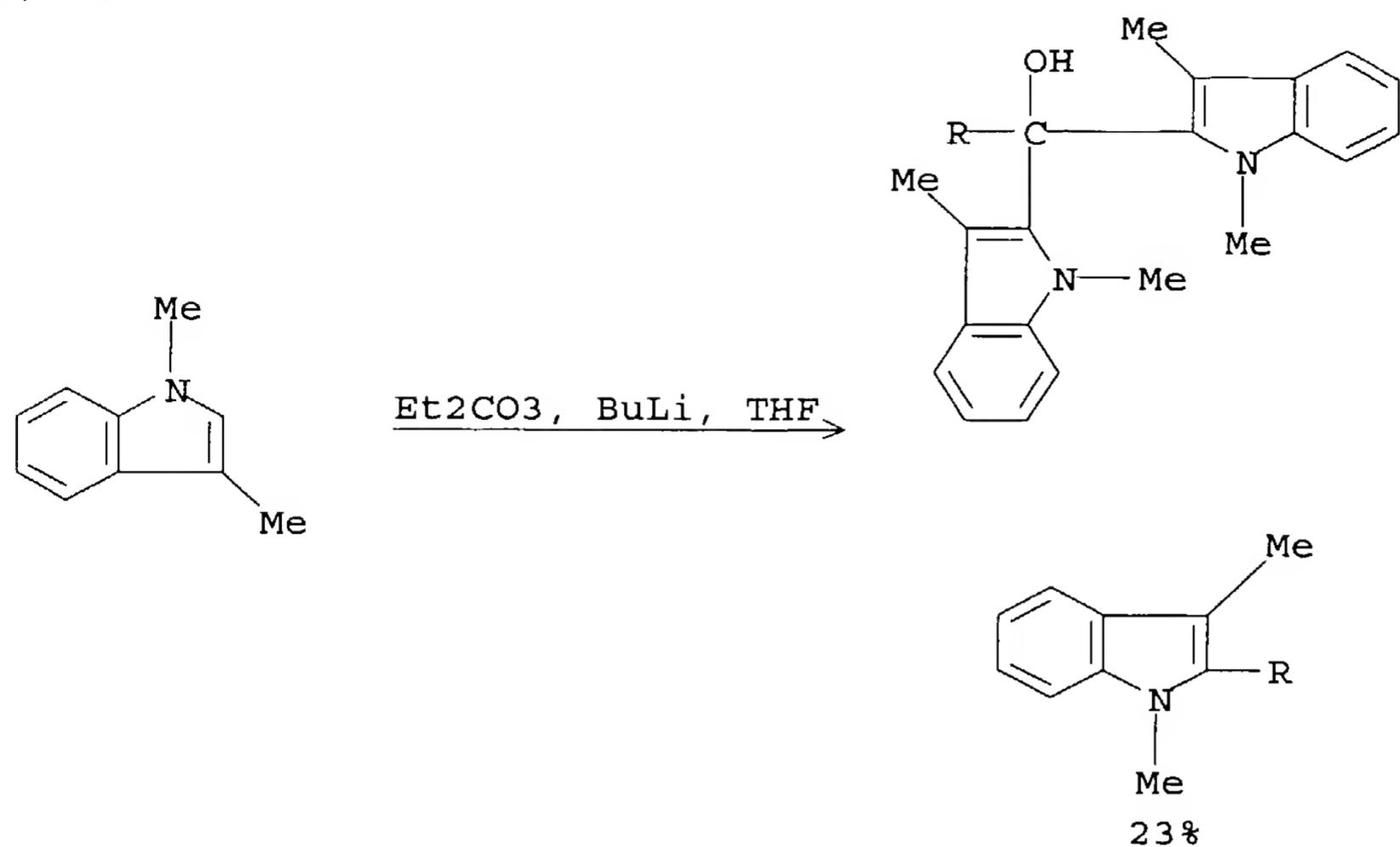
REF: Tetrahedron, 54(46), 13929-13942; 1998

NOTE: regioselective

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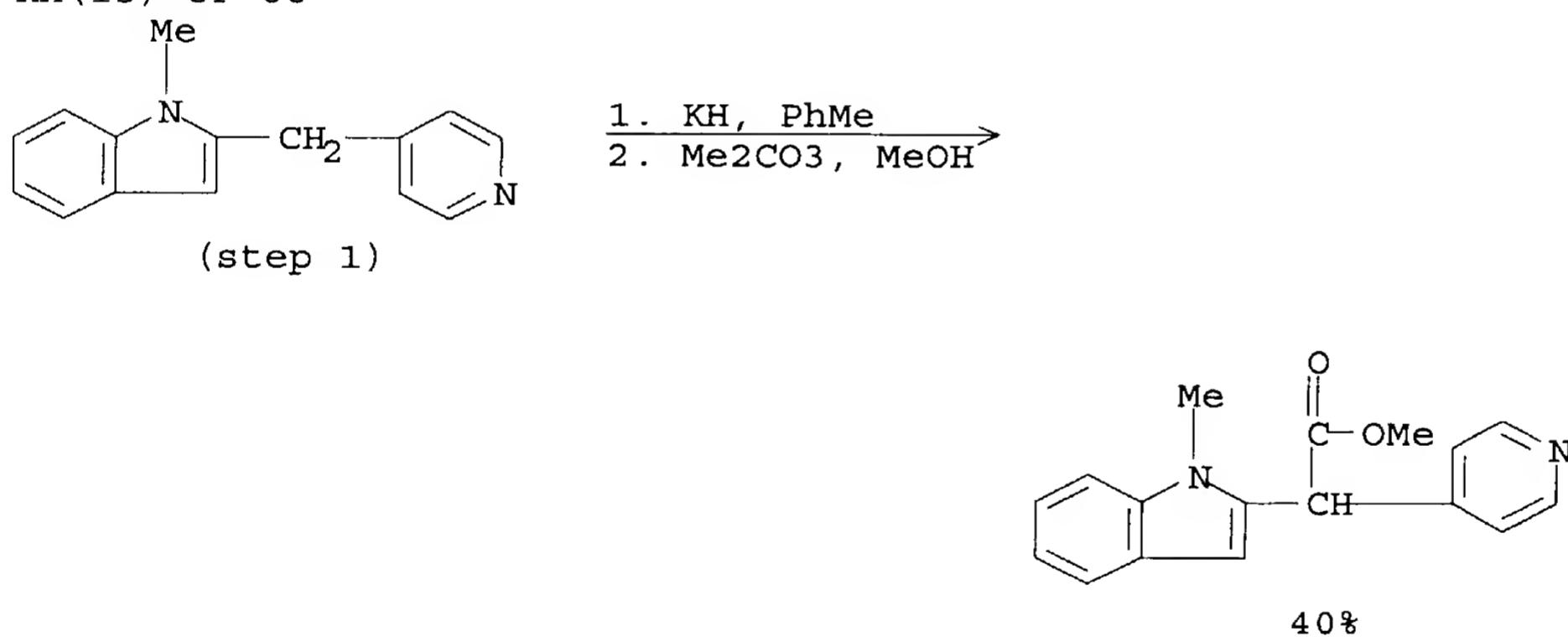
RX (1) OF 1



REF: Bulletin des Societes Chimiques Belges, 98(1), 73-6, 1989

L2 ANSWER 8 OF 10 CASREACT COPYRIGHT 2004 ACS on STN

RX (15) OF 66



REF: Tetrahedron, 43(11), 2513-22, 1987

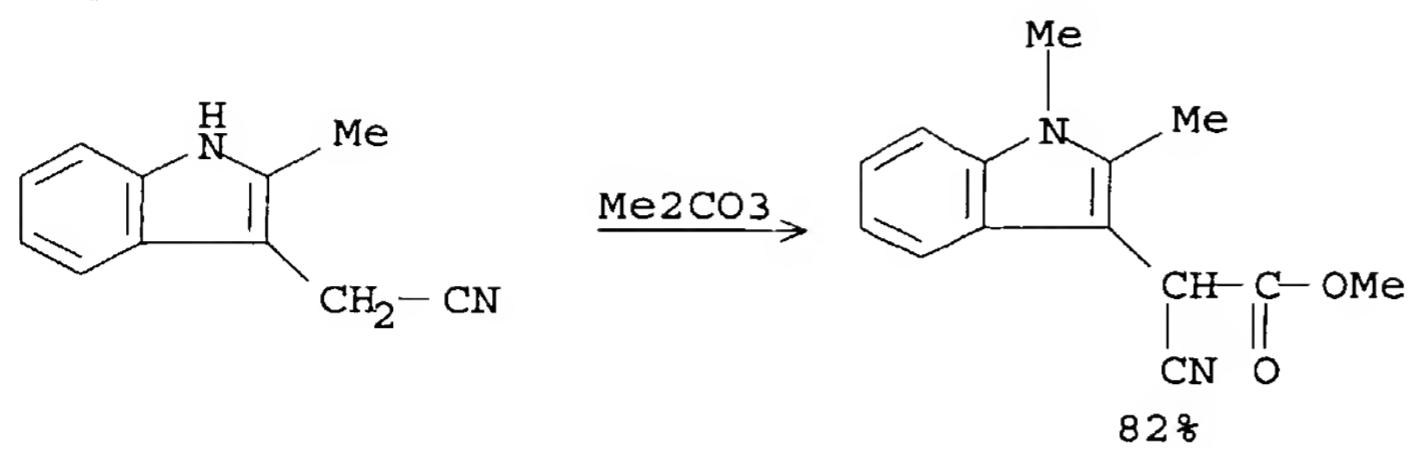
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

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RX(3) OF 21



REF: Khimiya Geterotsiklicheskikh Soedinenii, (3), 372-6; 1981